



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

## NOTICE OF ACCEPTANCE (NOA)

**Therma-Tru Corporation**  
1687 Woodlands Drive  
Maumee. OH 43537

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

### DESCRIPTION: Series "Benchmark" Glazed Inswing Residential Insulated Steel Doors w/Adjusta-Fit Steel Frame

**APPROVAL DOCUMENT:** Drawing No. S-2007, titled "Benchmark Glazed Inswing Steel Door w/Adjusta-Fit Steel Frame", sheets 1 through 5 of 5, prepared by the Rick Wright Building Consulting, Inc., dated 2/28/00 with revision on 3/28/00, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

### MISSILE IMPACT RATING: None

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA # 99-1028.11 and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Jaime Eisen, P.E.**



NOA No 03-0109.04  
Expiration Date: April 21, 2008  
Approval Date: February 20, 2003  
Page 1

**Therma-Tru Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

(For File ONLY. Not part of NOA)

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **S-2007**, titled "Benchmark Inswing Glazed Steel Door w/Adjusta-Fit Steel Frame", sheets 1 through 5 of 5, prepared by the Rick Wright Building Consulting, Inc., dated 2/28/00 with revision on 3/28/00.

**B. TESTS**

***Submitted under NOA#99-1028.11***

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of outswing and inswing steel edge opaque residential insulated steel pairs of doors, prepared by Certified Testing Laboratories, Test Report No. **CTLA-469W**, dated February 16, 2000, signed and sealed by Ramesh C. Patel, P.E.

**C. CALCULATIONS**

***Submitted under NOA#99-1028.11***

1. Anchor Calculations and structural analysis, dated November 1, 1999 prepared, signed and sealed by Mark Fetherman, P.E.

**D. MATERIAL CERTIFICATIONS**

***Submitted under NOA#99-1028.11***


1. Tensile Test prepared by Certified Testing Laboratories, Project No. **CTLA-469W**, dated October 26, 1999, for steel samples referenced DADE 990044, tested per ASTM E8/A370 or B557, signed and sealed by Ramesh C. Patel, P.E.
2. Test report # WHI-495-0920, issued to General Products Company, Inc. for "Two single swing 3' 0" x 7' 0" door and frame assemblies" ASTM E-152, dated August 28, 1988.

**E. STATEMENTS**

1. Statement letter of no change, prepared by R.W. Building Consultants, Inc., dated 12/22/02.

**F. OTHER**

1. Notice of Acceptance No. **99-1028.11**, General Products, Co., Inc., Benchmark" Inswing Glazed Residential Insulated Steel Doors w/Adjusta-Fit Steel Frame, approved on 4/21/00 and expiring on 4/21/03.

  
Jaime Eisen, P.E.  
Product Control Examiner  
NOA No 03-0109.04  
Expiration Date: April 21, 2008  
Approval Date: February 20, 2003

# BENCHMARK

## INSWING GLAZED STEEL DOOR W/ADJUSTA-STEEL FRAME

### GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO MEET THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. IMPACT RESISTANT SHUTTERS ARE REQUIRED.
5. THIS SYSTEM WAS TESTED FOR 2.86 LBS. WATER PRESSURE AS PER ASTM-E331.
6. THIS SYSTEM DOES NOT MEET THE WATER REQUIREMENTS IN MIAMI-DADE COUNTY.

### DOOR SYSTEM CONSTRUCTION:

#### DOOR PANEL

- A. FACE SHEETS: 24 GA. (.025") MINIMUM THICKNESS, GALVANIZED STEEL A-525 COMMERCIAL QUALITY - AKOQ PER ASTM 620 WITH YIELD STRENGTH FY (MIN.) = 27,000psi
- B. CORE DESIGN: POLYURETHANE FOAM (CARPENTER CHEMICAL WITH 2.15 LBS. DENSITY) CORE LAMINATED TO INSIDE FACES.
- C. CONSTRUCTION: THE VERTICAL STYLES ARE EXTENSIONS OF THE SKIN, ROLL FORMED TO A MECHANICAL INTERLOCK, HORIZONTAL EDGES ARE WELDED TOGETHER AT TWO PLACES EACH
- D. THE GLAZING OPENINGS ARE STAMPED PRECISION EDGES TO RECEIVE INTEGRAL GLASS STOPS.

#### STEEL FRAME

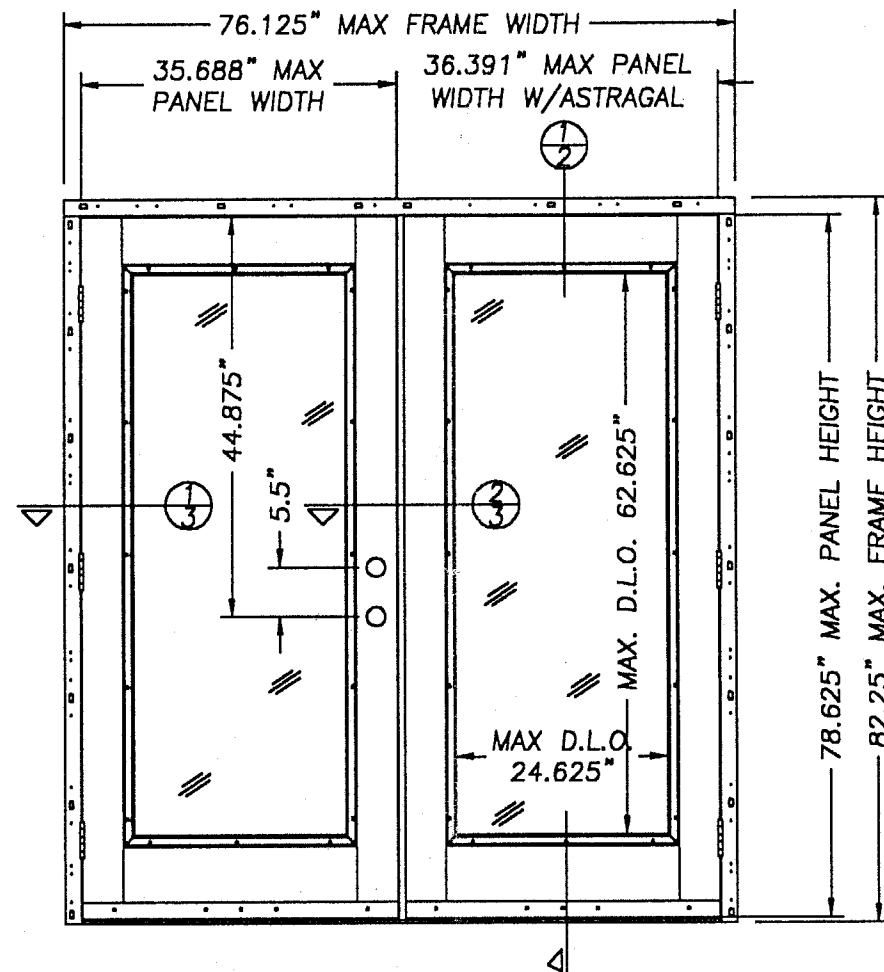
- A. BASE FRAME MATERIAL: 16GA. (.054" MIN. THK.)
- B. CLOSURE FRAME MATERIAL: 20GA. (.033" MIN. THK.)
- C. THE FRAMES ARE ROLL FORMED AND PRESS BROKE WITH TABS AND SLOTS ON THE HEADERS TO FORM A LOCK.

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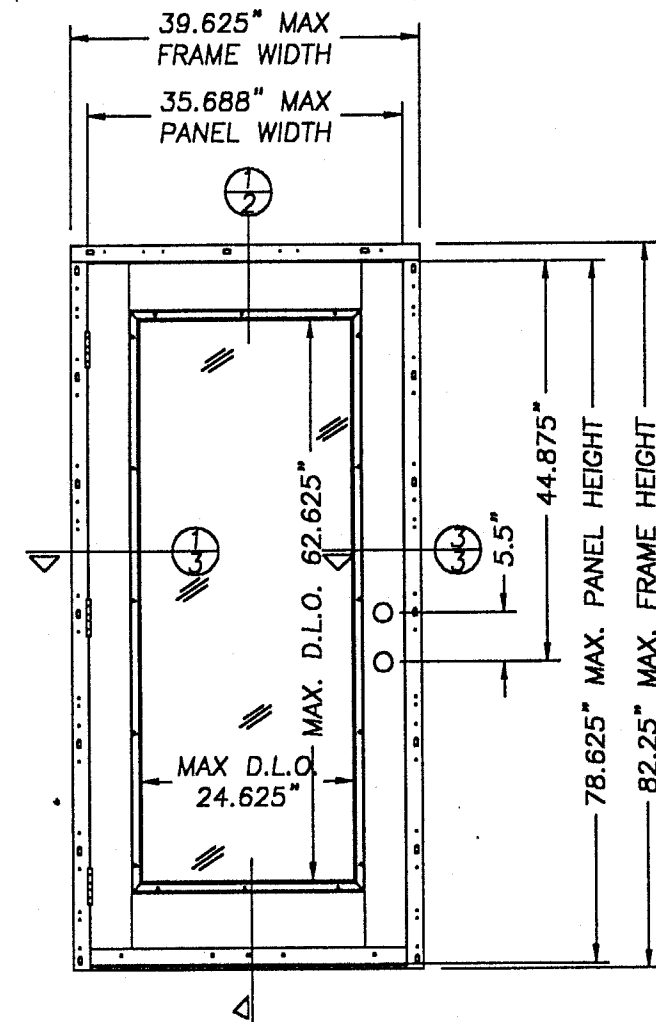
SHEET #	DESCRIPTION
1	GENERAL NOTES AND ELEVATIONS
2	VERTICAL CROSS SECTIONS
3	HORIZONTAL CROSS SECTIONS & GLAZING DETAILS
4	ANCHOR LAYOUTS & DOOR MODELS
5	FRAME COMPONENTS & BILL OF MATERIAL

### DESIGN PRESSURE RATING

	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	+ 60.0 PSF
NEGATIVE	- 60.0 PSF



DOUBLE GLAZED DOOR ELEVATION  
VIEWED FROM INTERIOR SIDE



SINGLE GLAZED DOOR ELEVATION  
VIEWED FROM INTERIOR SIDE

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 03-0109.04  
Expiration Date 04/21/08  
By *[Signature]*  
Miami Division Product Control

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE *April 21, 2000*  
BY *[Signature]*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *99-1028.11*

GENERAL PRODUCTS CO. INC.  
P.O. BOX 7387  
FREDERICKSBURG, VA 22404  
PH. (540) 898-5700

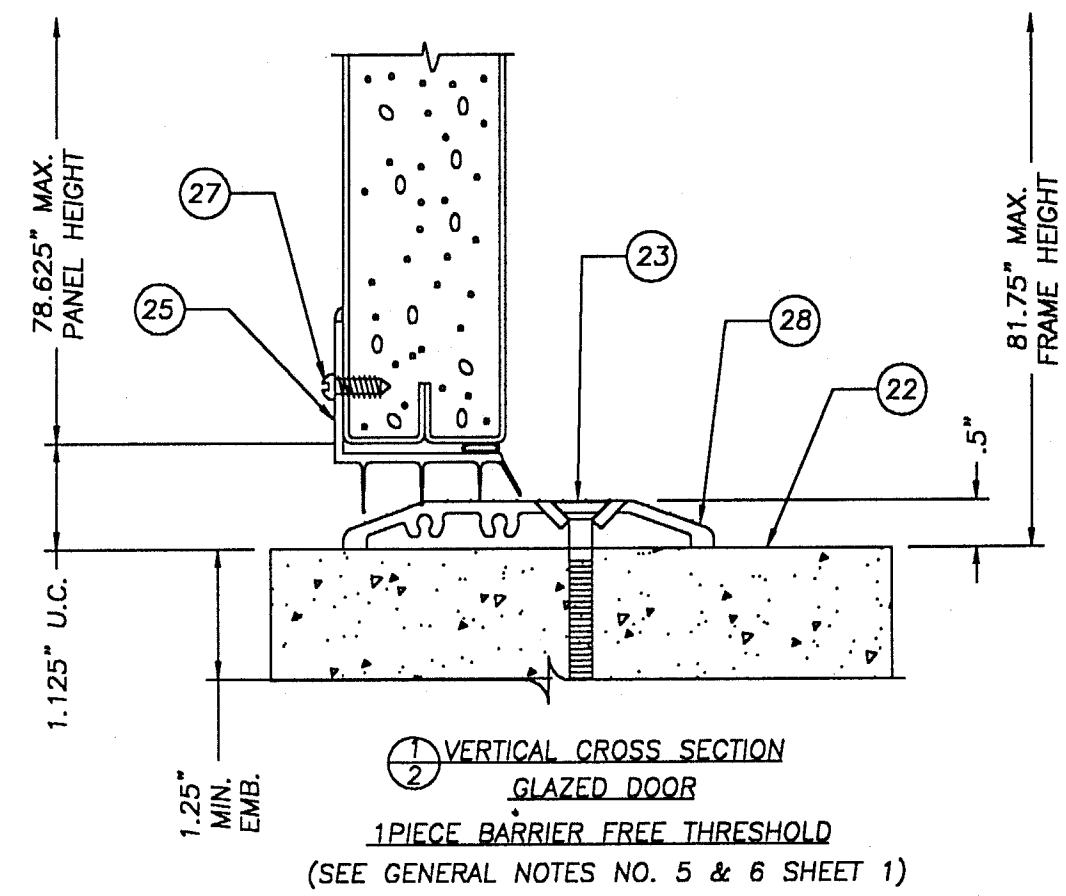
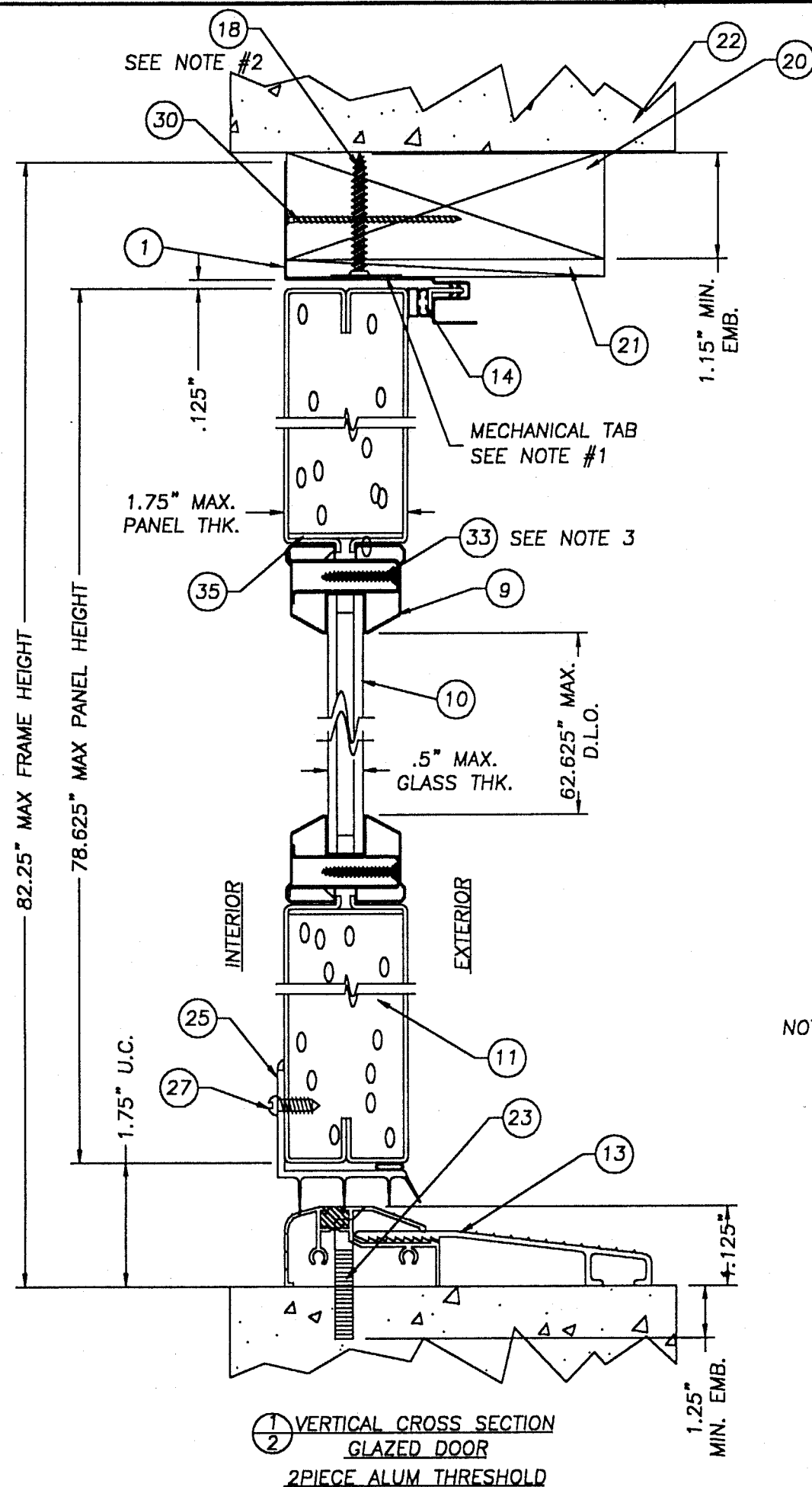


PRODUCT:  
BENCHMARK GLAZED  
INSWING STEEL DOOR W/  
ADJUSTA-STEEL FRAME  
PART OR ASSEMBLY:  
ELEVATIONS &  
GENERAL NOTES

NO.	DATE	REVISIONS
1	3/28/00	GENERAL
		TJH
		BY

RW BUILDING  
CONSULTANTS, INC.  
813.684.3831

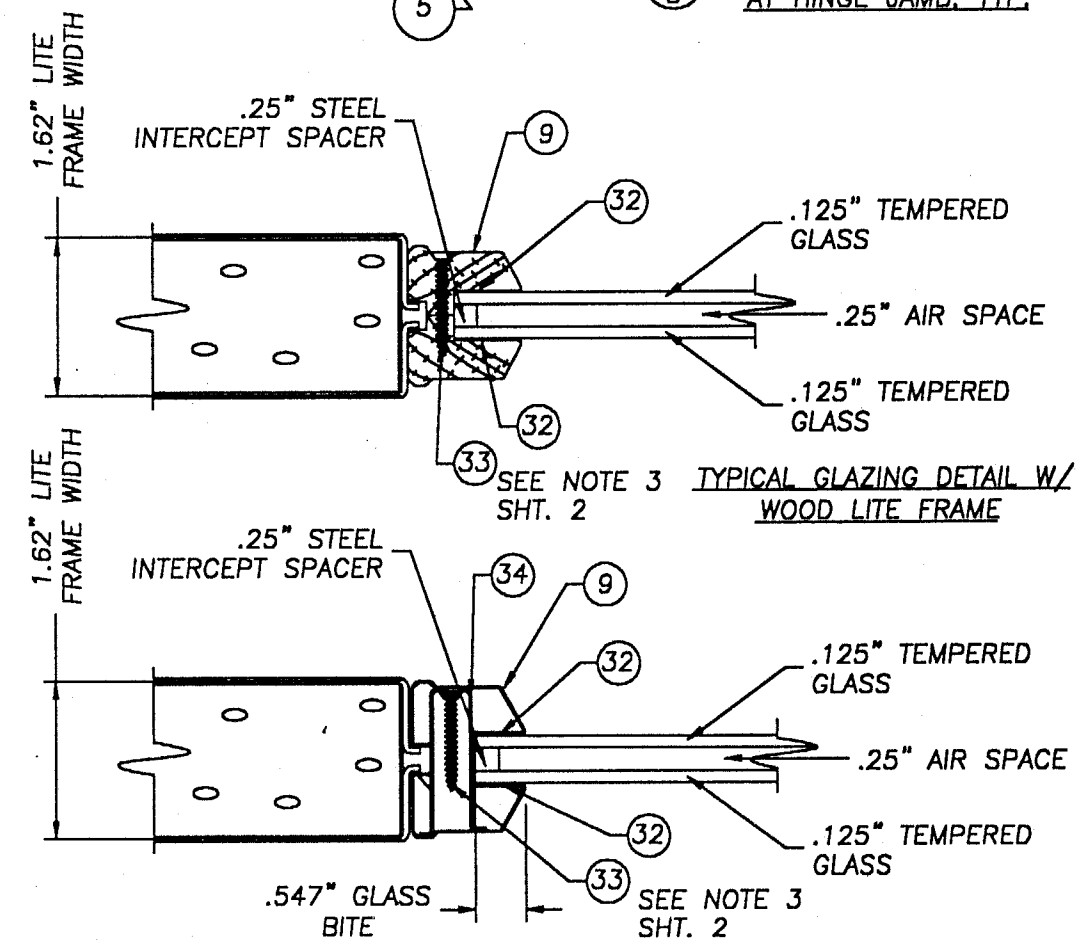
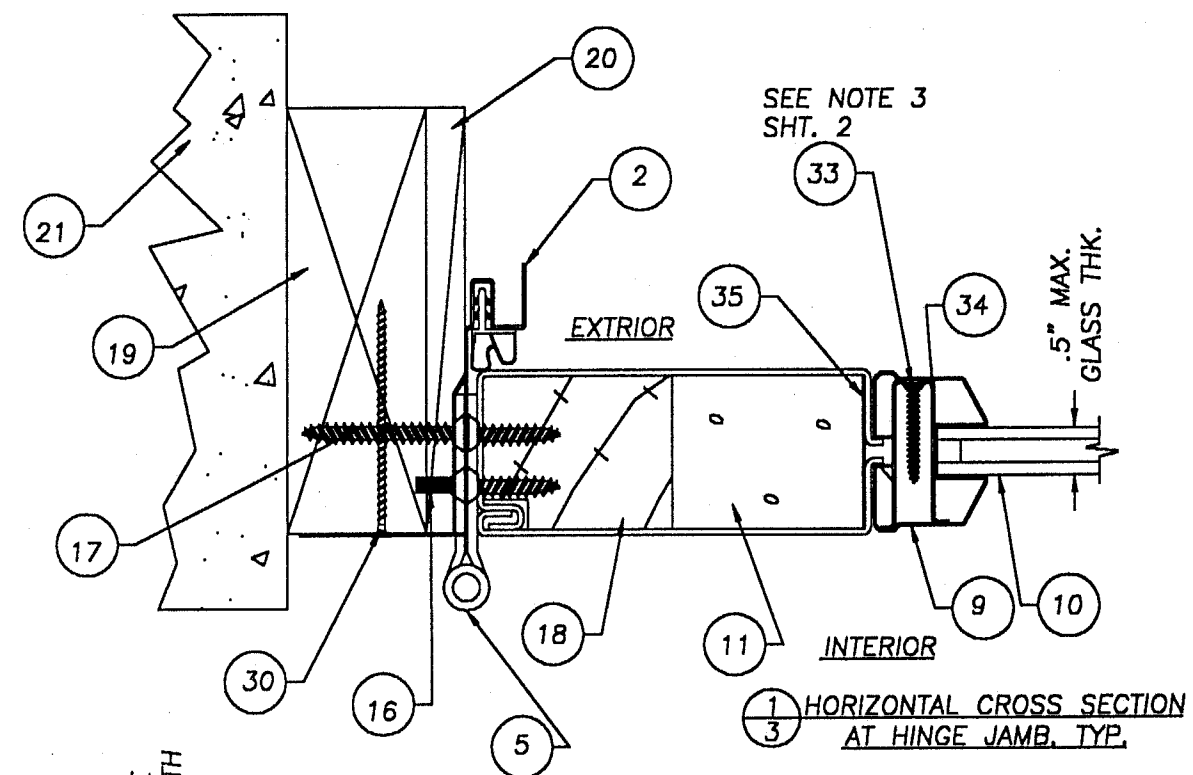
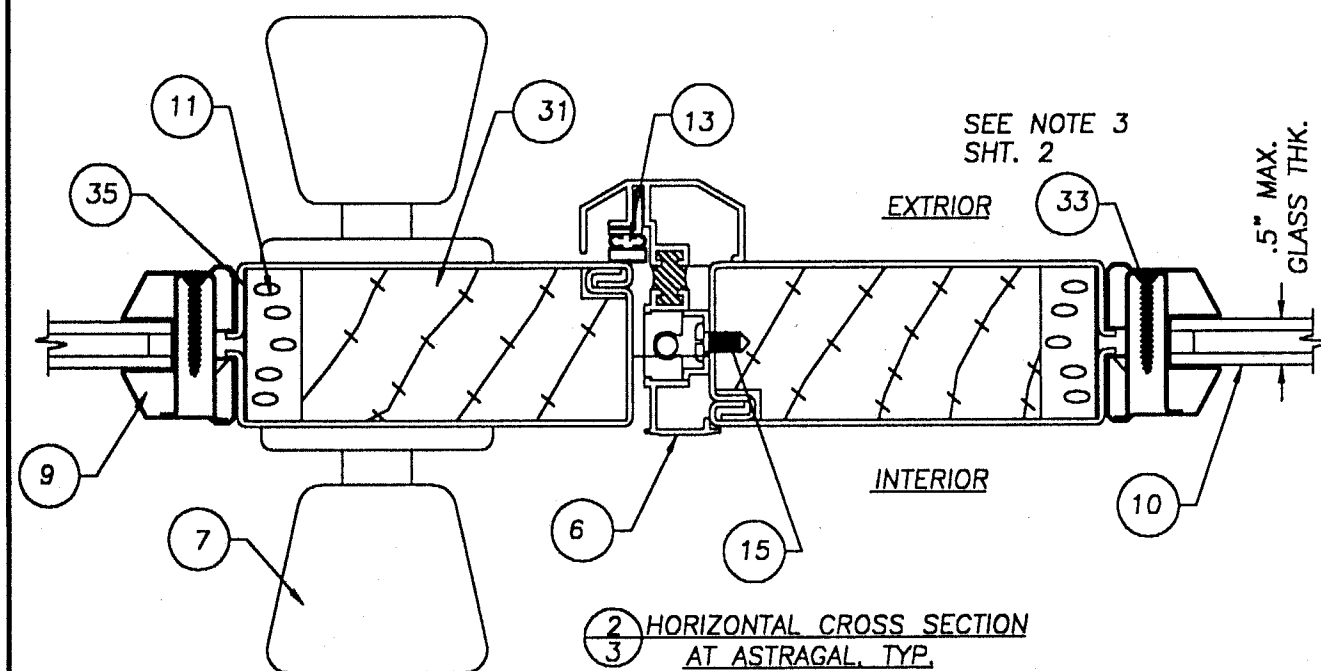
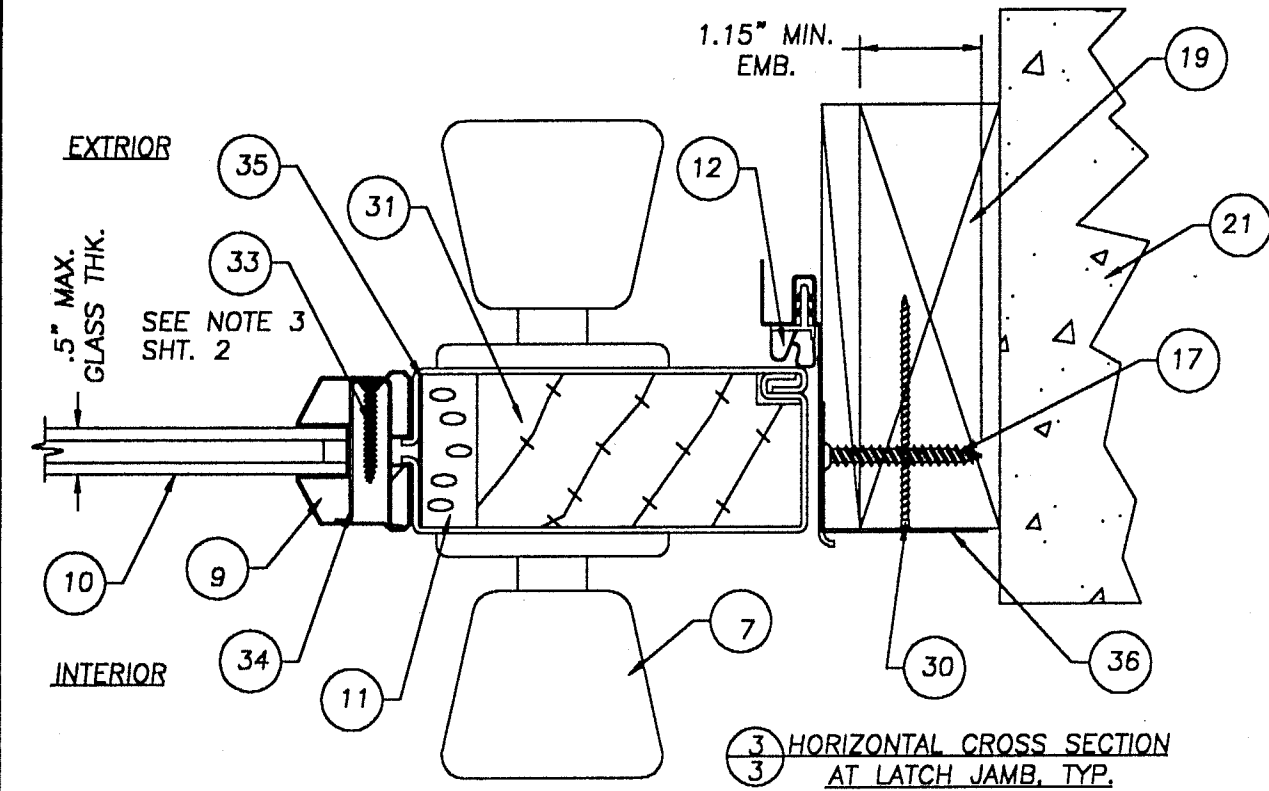
DATE: 2/28/00  
SCALE: N.T.S.  
DWG. BY: TJH  
CHK. BY: RW  
DRAWING NO.: S-2007  
SHEET 1 OF 5



- NOTES:
1. THE TABS FROM THE SIDE JAMBS ARE INSERTED INTO THE SLOTS OF THE BASE HEADER AND BENT OVER TO FORM A MECHANICAL LOCK.
  2. OMIT ITEM #18 AT THE HEADER WHEN INSTALLING A SINGLE DOOR UNIT.
  3. (16) SCREWS TOTAL SPACING AS FOLLOWS: TOP & BOTTOM, 3\"

<b>PRODUCT RENEWED</b> as complying with the Florida Building Code Acceptance No <u>03-0109.04</u> Expiration Date <u>04/21/08</u> By <u>[Signature]</u> Miami-Dade Product Control Division	APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE <u>April 21, 2000</u> BY <u>[Signature]</u> PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. <u>99-1028.11</u>	DATE: <u>2/28/00</u>
		SCALE: <u>N.T.S.</u>
		DWG. BY: <u>TJH</u>
		CHK. BY: <u>RW</u>
		DRAWING NO.: <u>S-2007</u>
		SHEET <u>2</u> OF <u>5</u>

GENERAL PRODUCTS CO. INC. P.O. BOX 7387 FREDERICKSBURG, VA 22404 PH. (540) 898-5700	
PRODUCT: BENCHMARK GLAZED INSWING STEEL DOOR W/ ADJUSTA-STEEL FRAME	PART OR ASSEMBLY: VERTICAL CROSS SECTIONS
NO. <u>1</u> DATE <u>3/28/00</u>	TJH BY GENERAL REVISIONS
RW BUILDING CONSULTANTS, INC. 813.684.3831	



TYPICAL GLAZING DETAIL W/  
STEEL INTEGRAL LITE FRAME

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 03-0109-04  
Expiration Date 04/21/05  
By [Signature]  
Miami Data Products Control  
Division

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE April 21, 2000  
BY Manuel Sora  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 99-1028.11

DATE:	2/25/00
SCALE:	N.T.S.
DWG. BY:	TJH
CHK. BY:	RW
DRAWING NO.:	S-2007
SHEET	3 OF 5

GENERAL PRODUCTS CO. INC.  
P.O. BOX 7387  
FREDERICKSBURG, VA 22404  
PH. (540) 898-5700



**PRODUCT:** BENCHMARK GLAZED  
INSWING STEEL DOOR W/  
ADJUSTA-STEEL FRAME

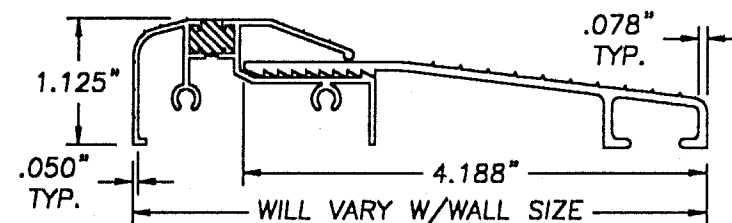
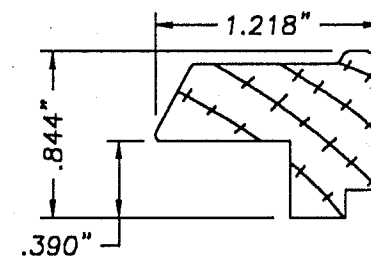
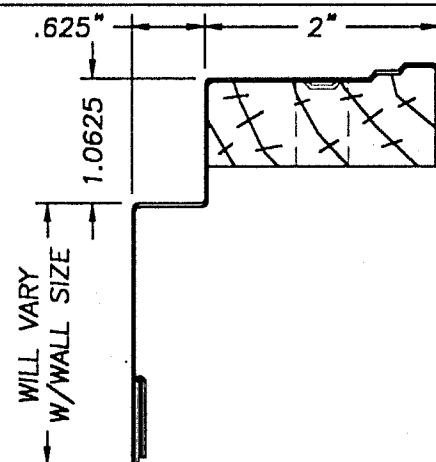
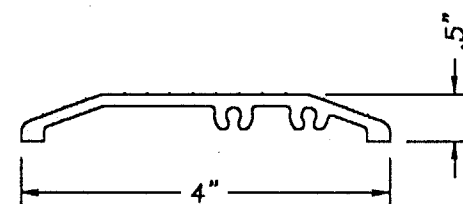
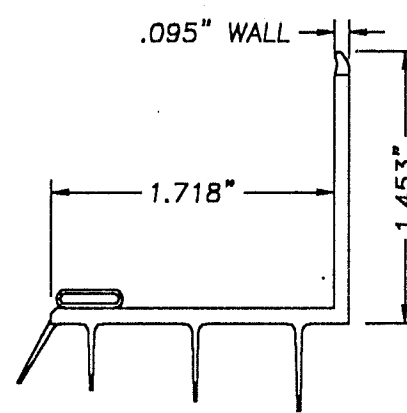
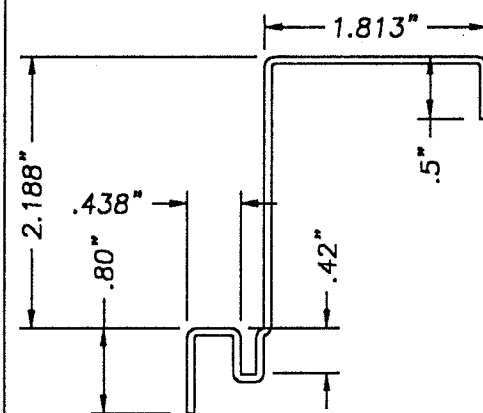
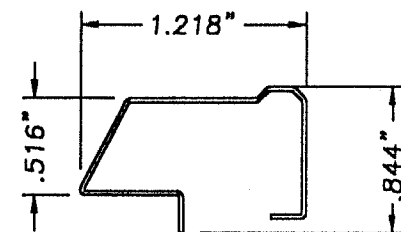
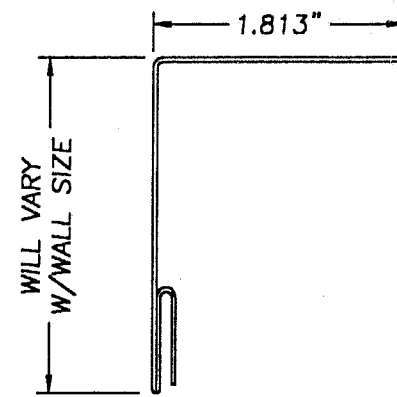
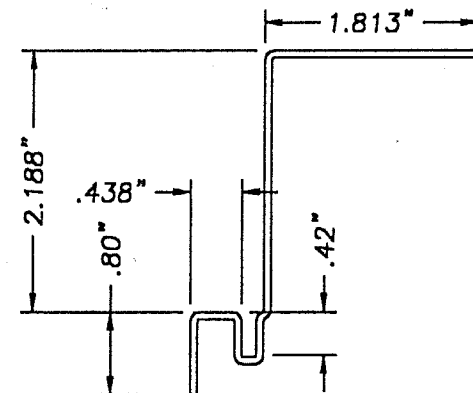
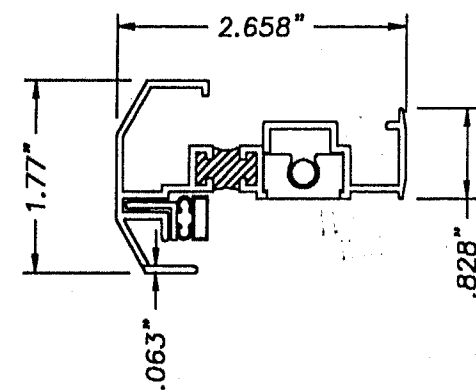
**PART OR ASSEMBLY:** HORIZONTAL CROSS  
SECTIONS & GLAZING DETAILS

[illegible]


**RW BUILDING  
CONSULTANTS, INC.**  
813.684.3831

100





ITEM	DESCRIPTION	MATERIAL
1	STEEL BASE HEADER (16GA. .054" MIN.)	STEEL
2	STEEL HINGE JAMB (16GA. .054" MIN.)	STEEL
3	STEEL CLOSURE HEADER (20GA. .033" MIN.)	STEEL
4	STEEL CLOSURE JAMB (20GA. .033" MIN.)	STEEL
5	BENCHMARK 4" x 4" HINGE PROPRIETARY .097" THK.	STEEL
6	T-ASTRAGAL (.063" WALL THK.)	ALUMINUM
7	KWIKSET 200 DL PASSAGE	-
8	KWIKSET 660 DEADBOLT	-
9	STEEL INTEGRAL LITE FRAME OR WOOD LITE FRAME (PINE OR POPLAR)	STEEL WOOD
10	GLAZING, 1/2" INSULATED GLASS	-
11	POLYURETHANE FOAM CARPENTER CHEM. 2.15 lbs DENSITY	-
12	COMPRESSION WEATHER STRIPPING	FOAM
13	2PIECE ALL ALUMINUM INSWING THRESHOLD	ALUMINUM
14	MAGNETIC WEATHER STRIPPING	VINYL
15	COMPRESSION WEATHER STRIPPING Q-LON QDS 650	FOAM
16	#12 x 1/2" L. SCREW (ASTRAGAL TO DOOR)	STEEL
17	10-24 x 3/8" PHILLIPS FLATHEAD SCREW	STEEL
18	#10 x 1 3/4" L. PHILLIPS FLATHEAD SCREW	STEEL
19	WOOD HINGE REIN. 1 11/16" SQ. x 5 7/8" L.	WOOD
20	2X WOOD (BUCK)	WOOD
21	1/4" MAX. SHIM SPACER	-
22	MASONRY WALL	-
23	3/16" TAPCON ANCHOR (ELCO)	STEEL
24	#10 x 5/8" SCREW (HINGE TO DOOR)	STEEL
25	ADJUSTABLE SWEEP	VINYL
26	#10 x 1" WOOD SCREW (WOOD HINGE REIN.)	STEEL
27	#8 x 1/2" TYPE "AB" PANHEAD SCREW (SWEEP)	STEEL
28	1PIECE BARRIER FREE THRESHOLD	ALUMINUM
29	#8 x 2 1/2" L. PHILLIPS FLATHEAD SCREW	STEEL
30	#6 x 2 1/2" L. PHILLIPS FLATHEAD SCREW	STEEL
31	SOLID LATCH WOOD BLOCK 3 1/2" x 1 11/16" x 48" LG.	WOOD
32	CAULK SCHNEE MOREHEAD S-M 8500	SILICONE
33	#6 x 1 1/2" L. PHILLIPS FLATHEAD SCREW	STEEL
34	INTEGRAL STEEL LITE FRAME RETAINER CLIP	STEEL
35	FOAM STOP	CARDBOARD
36	STEEL LATCH JAMB (16GA. .054" MIN.)	STEEL

 GENERAL PRODUCTS CO. INC.  
P.O. BOX 7387  
FREDERICKSBURG, VA. 22404  
PH. (540) 898-5700

**PRODUCT:**  
BENCHMARK GLAZED  
INSWING STEEL DOOR W/  
ADJUSTA-STEEL FRAME

**PART OR ASSEMBLY:**  
FRAME COMPONENTS &  
BILL OF MATERIALS

[illegible]

**RW BUILDING  
CONSULTANTS, INC.**  
813.684.3831

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No 03-0109-04  
Expiration Date 04/21/08  
By [Signature]  
Miami Dade Product Control  
Division

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE April 21, 2000  
BY Francis Perez  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 99-1028-11

DATE:	2/28/00
SCALE:	N.T.S.
DWG. BY:	TJH
CHK. BY:	RW
DRAWING NO.:	S-2007
SHEET	5 OF 5